

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

Bonding Agent  
QUICK IDENTIFIER  
Common Name: (used on label and list)

HMIS™

Bull - Bond (TM)

<b>H</b> HEALTH	<b>1</b>
<b>F</b> FLAMMABILITY	<b>0</b>
<b>R</b> REACTIVITY	<b>0</b>
<b>PERSONAL PROTECTION</b> HC-1200 R 301811 NPGA	<b>3</b>

## SECTION 1 - Bull-Bond (TM) Bonding agent

Manufacturer's Name **J.S. Chem Corp.**

Address **Call Box 7886- Suite 279**

City, State, and ZIP **Guaynabo, P.R. 00657-7886**

Emergency Telephone No. **809-793-3807**

Other Information Calls **809-782-8377**

Signature of Person Responsible for Preparation (Optional)

Date Prepared **Sept. 2 1987.**

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
<b>Formaldehyde (CAS # 50-00-0)</b>	<b>1 ppm</b>	<b>TWA</b>			<b>.08 %</b>
<b>Vinyl acetate (CAS # 108-05-4)</b>	<b>10 ppm</b>	<b>TWA</b>		<b>0.3 %</b>	

ND- Not determined

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	<b>100 ° C</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.1</b>	Vapor Pressure (mm Hg)	<b>17.5 mmhg</b>
		Vapor Density (Air = 1)	<b>Less than 1 - Lighter</b>		<b>Vapor is water</b>
Solubility in Water	<b>Dilutable</b>	Reactivity in Water	<b>None</b>	PH	<b>5.0</b>
Appearance and Odor	<b>Blue fluid, mild odor</b>	Melting Point	<b>0 ° C.</b>		

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	<b>ND</b>	F.	C.	Method Used	<b>Aqueous system</b>	Flammable Limits in Air % by Volume	LEL Lower	<b>ND</b>	UEL Upper	<b>ND</b>
Auto-Ignition Temperature	<b>ND</b>			Extinguisher Media	<b>Non flammable. Aqueous emulsion.</b>					
Special Fire Fighting Procedures	<b>After water evaporates remaining material will burn. Use all purpose foam or dry chemical for large fires.</b>									

Unusual Fire and Explosion Hazards **Product will not burn but may spatter if temperatures exceed boiling point of water. Dried solids can burn producing oxides of carbon and low molecular weight hydrocarbons.**

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable ☐ Conditions to Avoid ☒ None known

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition Products Under severe thermal degradation CO<sub>x</sub> and NO<sub>x</sub>

Hazardous Polymerization May Occur ☐ Conditions to Avoid ☒ None known. Product is stable. Hazardous

polymerization will not occur.

## SECTION 6 - HEALTH HAZARDS

1. Acute 2. Chronic

Harmful if swallowed.

Signs and Symptoms of Exposure

Medical Conditions Generally Aggravated by Exposure No evidence of adverse effects from available information

Chemical Listed as Carcinogen or Potential Carcinogen No National Toxicology Program Yes ☐ No ☒ I.A.R.C. Monographs Yes ☐ No ☒ OSHA Yes ☐ No ☒

Emergency and First Aid Procedures If ingested induce vomiting and call physician at once. Eyes and skin: Immediately flush eyes with water until water is clear. Wash skin with soap and water.

ROUTES OF ENTRY	1. Inhalation	Possible irritation of eyes, nose throat and symptoms of headache, nausea in poorly ventilated areas
	2. Eyes	Direct contact may cause eye irritation
	3. Skin	Prolonged contact may cause transient reddening of skin
	4. Ingestion	Harmful if swallowed - Induce vomiting - Call physician.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Avoid breathing vapors in top of container. Keep containers closed. Use with adequate ventilation.

Other Precautions Avoid contact with skin and clothing. Wash thoroughly after handling.

Steps to be Taken in Case Material is Released or Spilled Major spills should be collected for disposal. Minor spills may be flushed to sewer if permitted.

Waste Disposal Methods (Consult federal, state, and local regulations) Incinerate or bury in suitable landfill where permitted by government rules.

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) Use MSHA / NIOSH approved respirator in poorly ventilated areas

Ventilation	Local Exhaust	To Control	Mechanical (General)	Special	Other
		vapors or mist	Satisfactory	NO	NO

Protective Gloves Impervious to water and soap Eye Protection Safety glasses

Other Protective Clothing or Equipment As required to avoid skin and eyes contact.

Work/Hygienic Practices Avoid contact with skin and clothing- wash thoroughly after handling.

### IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.

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